### **APPENDIX B: AIR QUALITY**

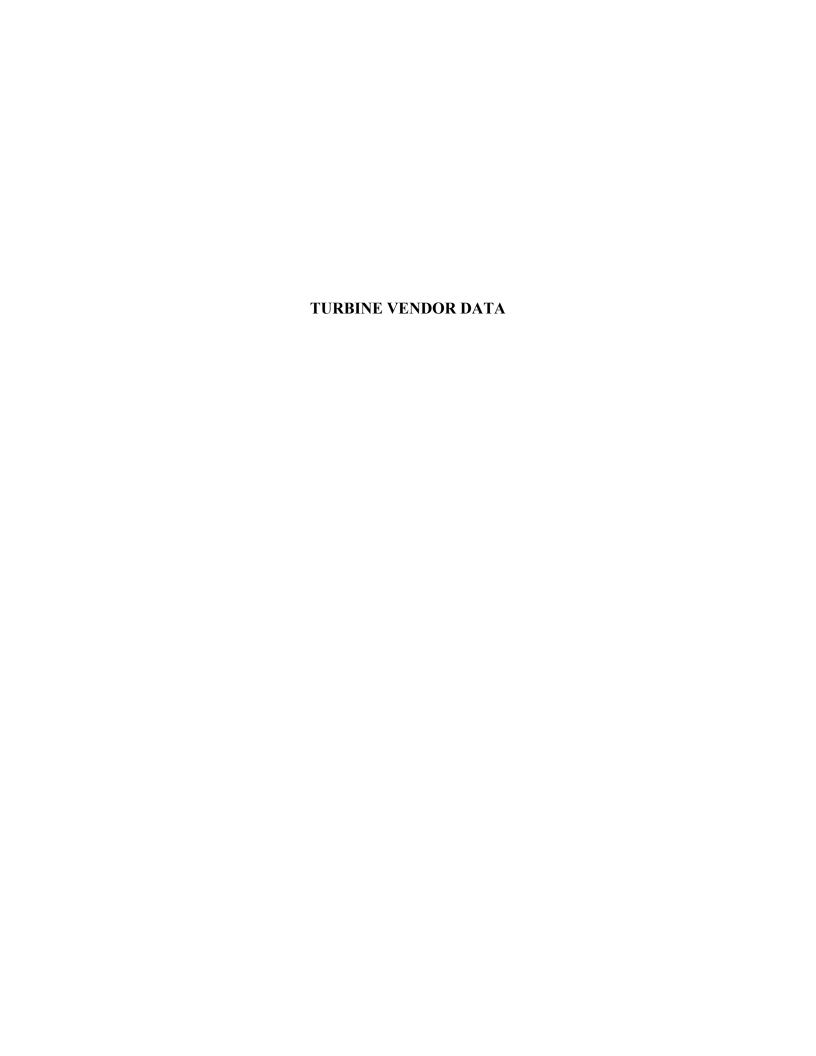
### **CONTENTS**

• Meteorological Data for Lemoore (1968)

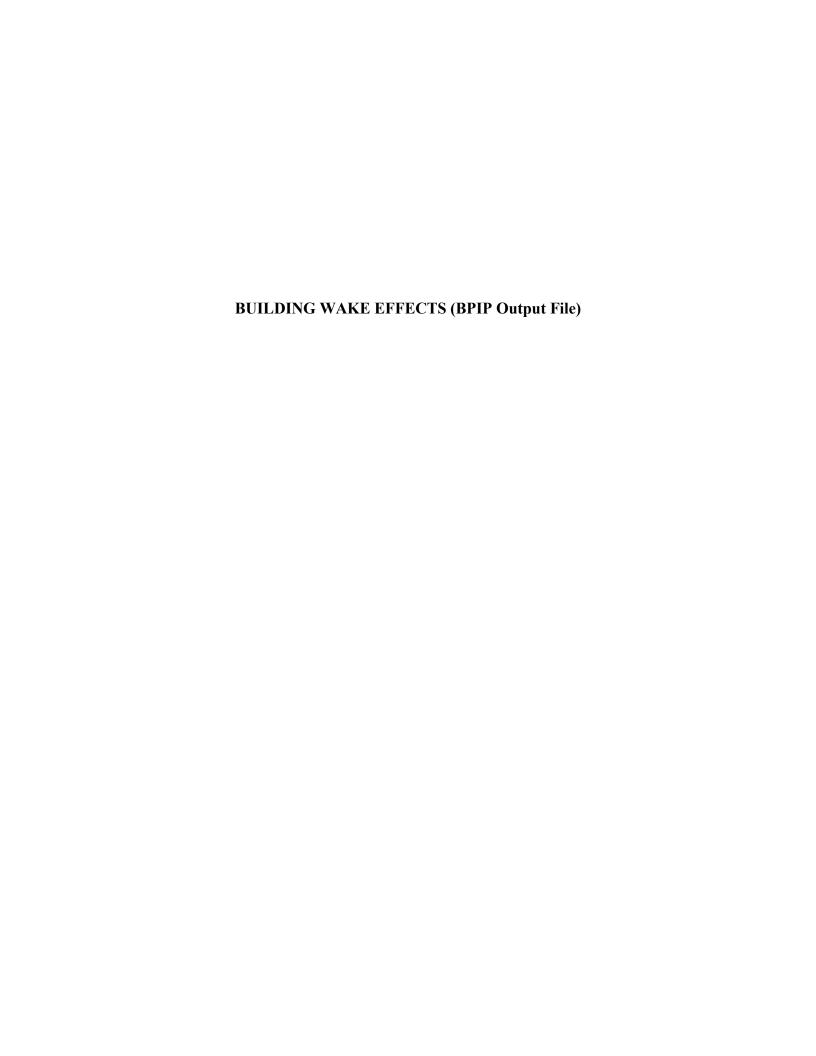
Annual Frequency Distributions
Annual Frequency Windrose
Quarterly Frequency Distribution (Spring, Summer, Fall, Winter)
Stability Class Frequency Tables (A,B,C,D,E,F)
Stability Windrose (A,B,C,D,E,F)

- Turbine Vendor Data
- Emergency Generator Vendor Data
- Building Wake Effects (BPIP Output File)
- Refined Modeling Parameters
- Operational Impact Modeling Files
- Construction Emission Calculations
- Construction Impacts Modeling Files
- Turbine Commissioning Impacts Modeling Files
- SJVUAPCD Authority to Construct Permit Application Forms For GWF Henrietta
- Potential to Emit and Emission Offset Calculations

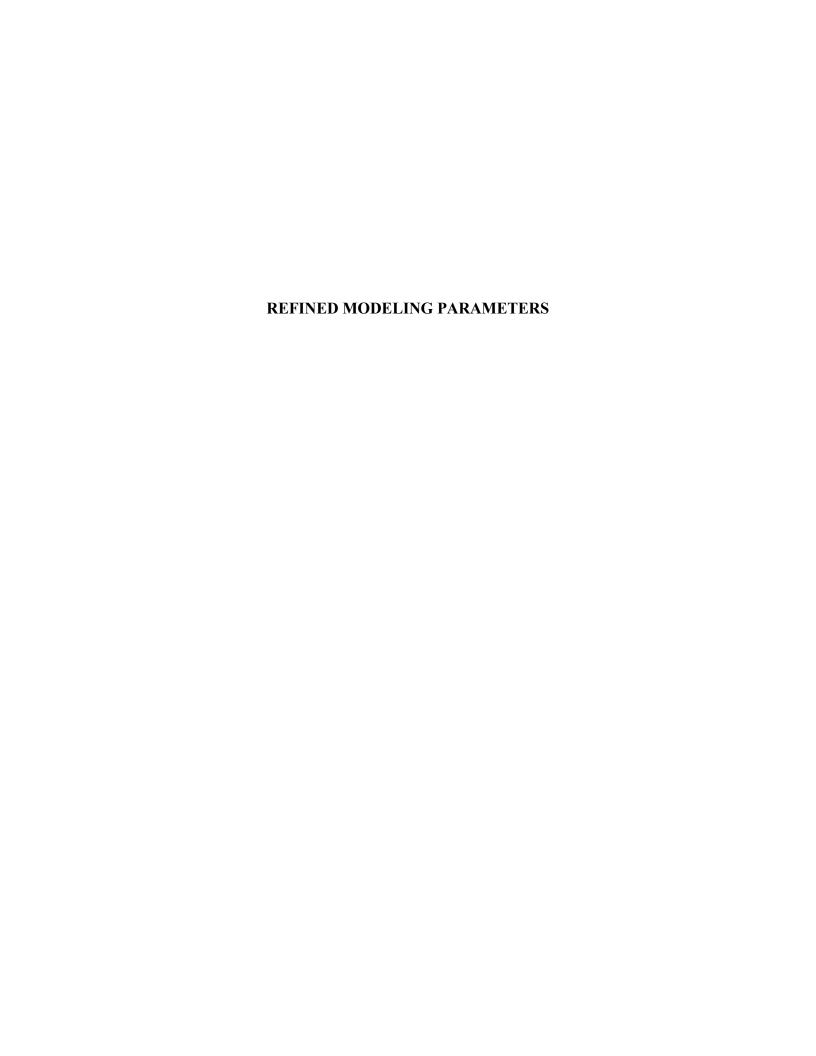
# **METEOROLOGICAL DATA FOR LEMOORE (1968)**



### EMERGENCY GENERATOR VENDOR DATA



## OPERATIONAL IMPACT MODELING FILES



### **Source Group Identification**

1-Hour	1HR <sup>1</sup>
1-Hour	EGEN1 <sup>2</sup>
8-Hour	$8HR^1$
8-Hour	EGEN8 <sup>2</sup>

Includes start-up
 Includes emergency generator, but no start-up

### $NO_2$

### **Source Group Identification**

1HR<sup>1</sup> EGEN1<sup>2</sup> ALL\_ANN 1-Hour 1-Hour Annual

Includes start-up
 Includes emergency generator, but no start-up

### $PM_{10}$

### **Source Group Identification**

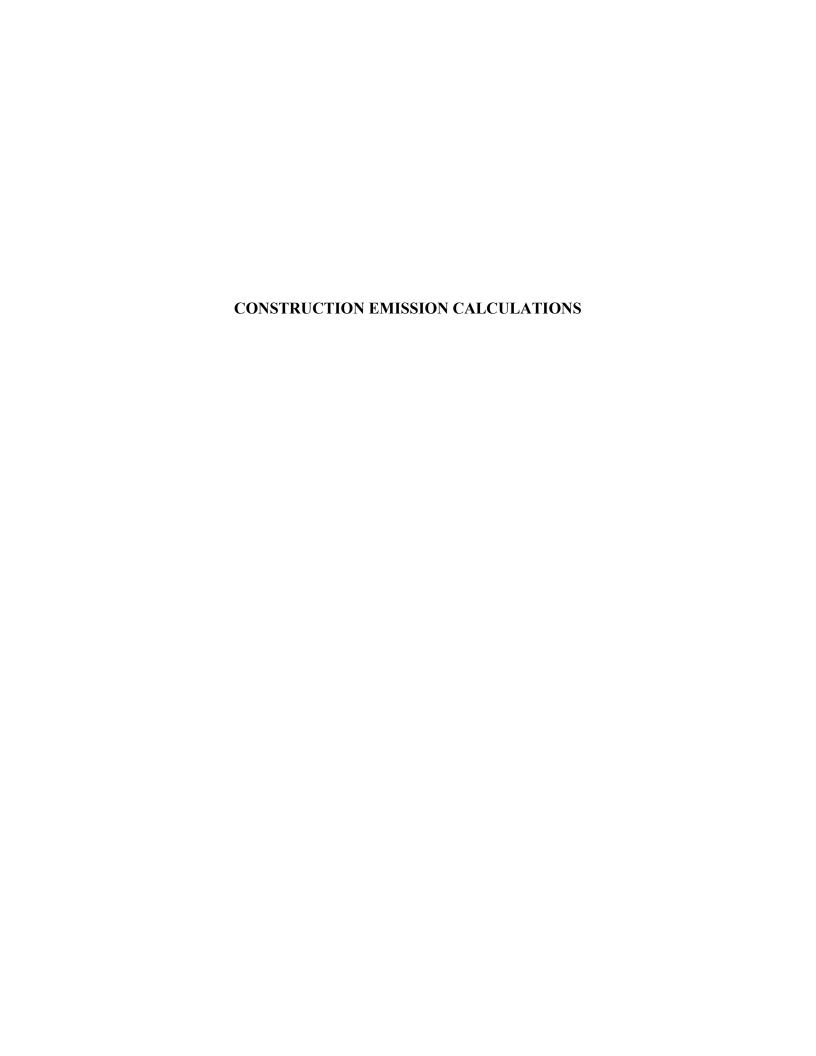
24-Hour 24HR<sup>1</sup> 24-Hour EGEN24<sup>2</sup> Annual ALL\_ANN Annual

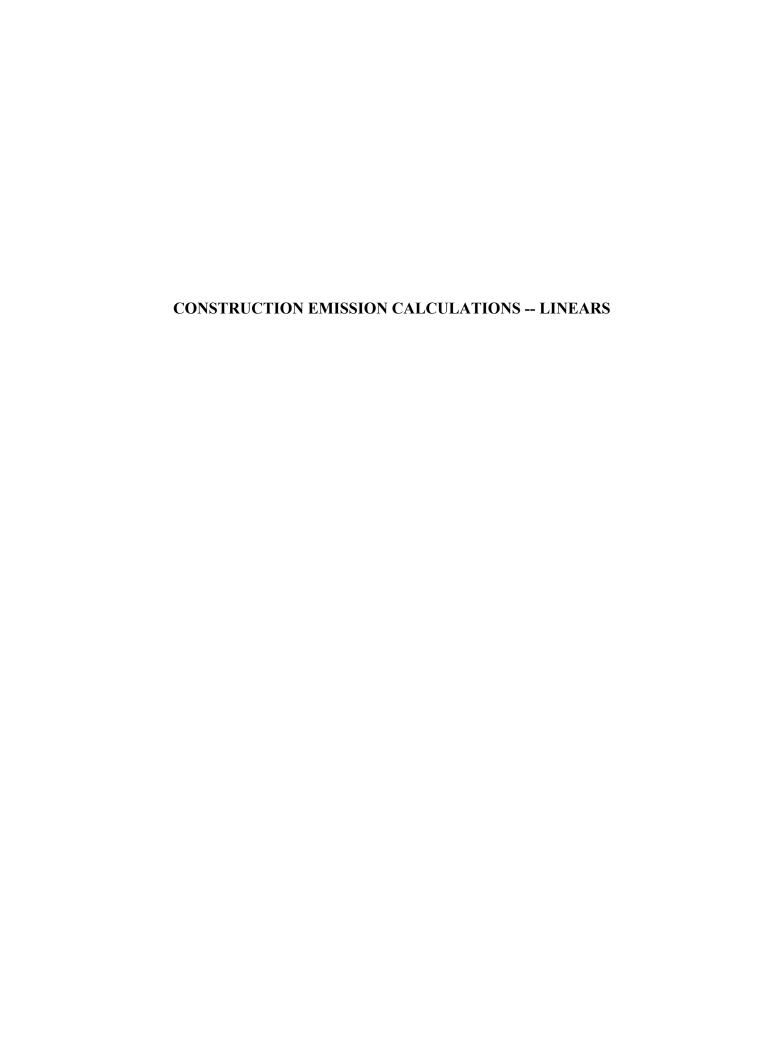
Includes start-up
 Includes emergency generator, but no start-up

 $SO_2$ **Source Group Identification** 

1-Hour	$1HR^1$
1-Hour	EGEN1 <sup>2</sup>
3-Hour	3HR <sup>1</sup>
3-Hour	EGEN3 <sup>2</sup>
24-Hour	24HR <sup>1</sup>
24-Hour	EGEN24 <sup>2</sup>
Annual	ALL_ANN

Includes start-up
 Includes emergency generator, but no start-up





### CONSTRUCTION EMISSION CALCULATIONS -- ONSITE







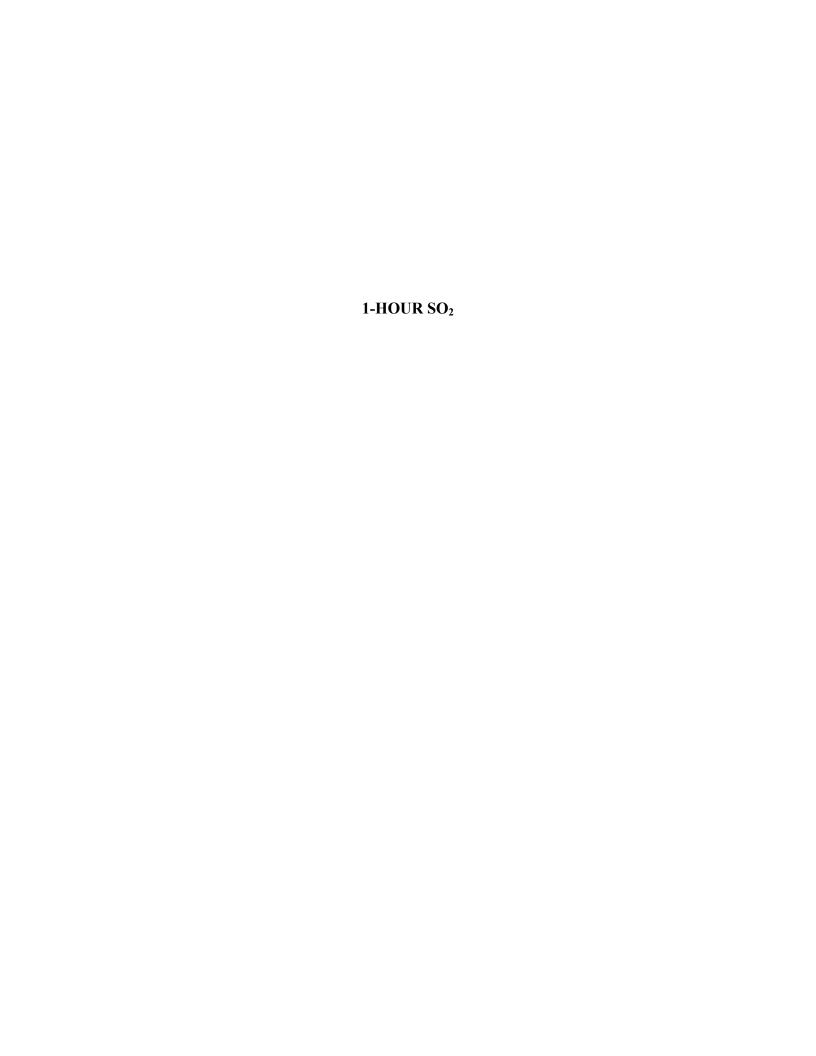




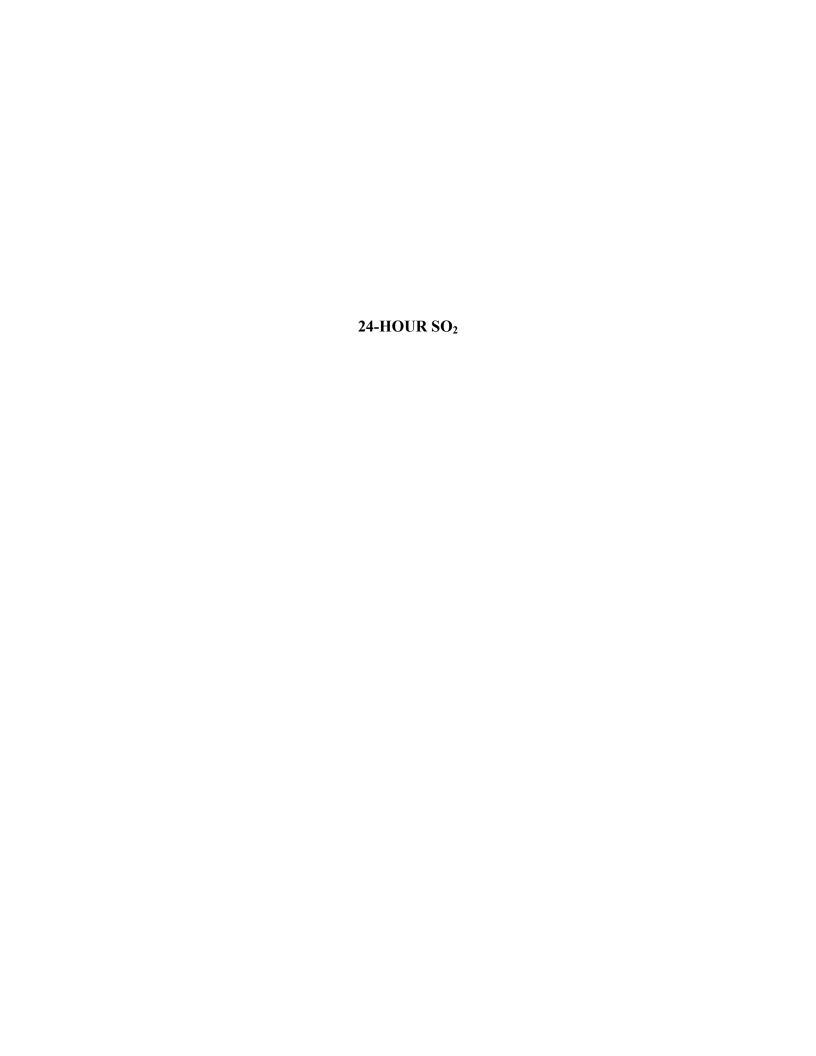




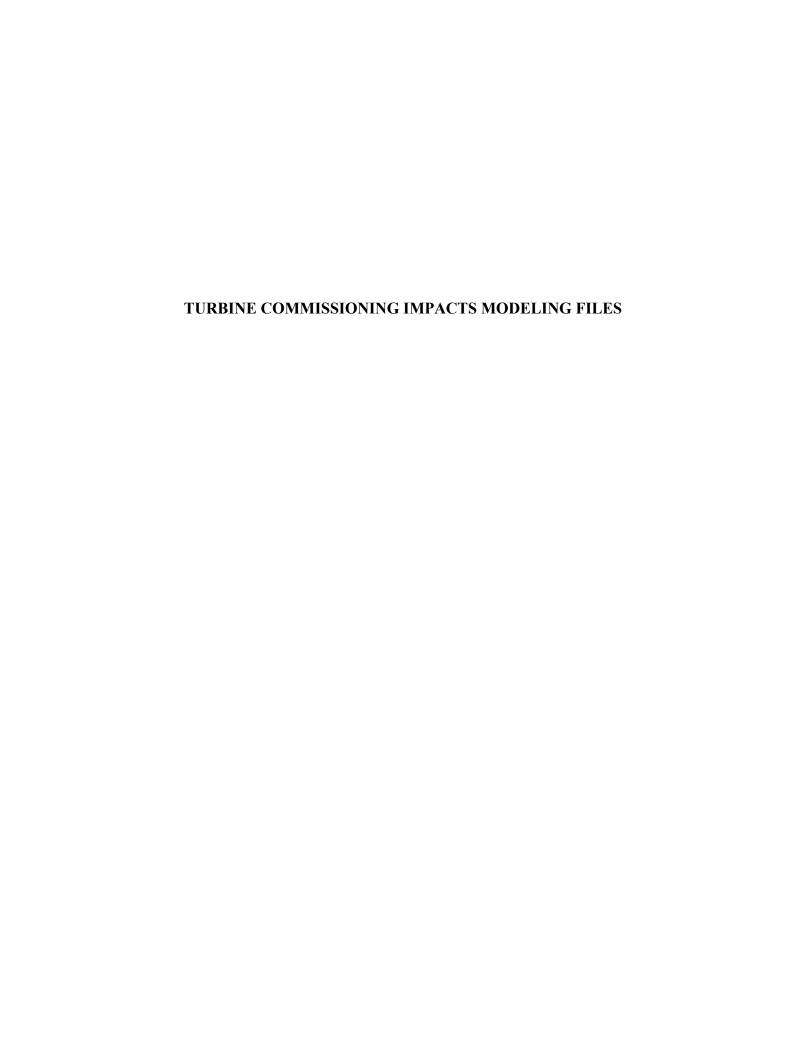
















### SJVUAPCD AUTHORITY TO CONSTRUCT PERMIT APPLICATION FORMS FOR GWF HENRIETTA

